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GSS Energy Use ch 3 Fossil Fuels

**STUDENT GENERATED QUESTIONS**

**Introduction**

1. Did fossil fuels come from living things or non-living things?
2. When did the fossil fuel age begin?
3. How did green plants create fuels?
4. How did fossils fuels come to be and when did it happen?

**What Are Fossil Fuels**

**Hydrocarbons***Hydrocarbons have a lot of molecules composed of carbon and hydrogen*

1. What is a bond?
2. How many bonds can hydrogen make?
3. How many bonds can carbon make?
4. What do hydrocarbons look like?

**PETROLEUM & OIL** - One sentence summary: *liquid hydrocarbons are called petroleum, there are different grade levels of fuel; the thicker molecules are called oils*.

1. Are hydrocarbon molecules flat ?
2. What temp. Do molecules turn into liquids?
3. What language are the prefixes from ?

**NATURAL GAS** – one sentence summary: *Natural gas was useful back In the earlier days , but now it's the second most used fuel in society.*

1. Where can you find a natural gas?
2. How is it distributed?
3. What is a natural gas used for?

**COAL**

1. How is coal produced?
2. What does anaerobic bacteria do to make coal?
3. What does coal mainly consist of?
4. Why is coal harder to transport than things like oil or wood?

**Effects of Fossil Fuel Production** – one sentence summary: *Oil spills and coal mining cause scars on the Earth.*

**Effects of Burning Fossil Fuels** one sentence summary: *burning fossil fuels creates global warming*

1. Describe what happened in Alaska in 1989
2. What kind of coal mining was made illegal in the United States?
3. What are some of the hidden costs of fuel?
4. What does the burning of fossil fuels release into the atmosphere?
5. Who should make decisions about how coal is mined and where coal is mined?

**Fossil Fuel Use**

**A Limited Resource**